



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/701,832	11/05/2003	Elmer G. Fridrich	EF-101C	7059
37053	7590	03/22/2006	EXAMINER	
D.A. STAUFFER PATENT SERVICES LLC 1006 MONTFORD ROAD CLEVELAND HTS., OH 44121-2016			RIELLEY, ELIZABETH A	
		ART UNIT	PAPER NUMBER	
		2879		

DATE MAILED: 03/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/701,832	FRIDRICH, ELMER G.
	Examiner Elizabeth A. Rielley	Art Unit 2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 10 March 2006.  
 2a) This action is FINAL.                            2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 15-23 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 15-23 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 05 November 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date 2/12/04.

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

**DETAILED ACTION**

***Election/Restrictions***

Claims 7-14 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 3/10/06.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 15-23 are rejected under 35 U.S.C. 102(b) as being anticipated by English (US 3453476).

In regard to claim 15, English ('476) teaches a filament assembly for incandescent light sources (figure 1), the filament assembly comprising: a filament having a first spud coil at a first end (4; see figure 1; column 2 line 24 to column 2 line 19) and a second spud coil at a second end (4); a first lead wire having an inner cut end that is screwed into the first spud coil (also labeled 4; see figure 2) and a second lead wire having an inner cut end that is screwed into the second spud coil (also labeled 4; see figures 1 and 2); and at least one spur near the end of the first lead wire's inner cut end (not numbered, see figure

Art Unit: 2879

<sup>1</sup>, and at least one spur near the end of the second lead wire's inner cut end (other side of figure 1), wherein each of the spurs protrudes laterally beyond a perimeter of the respective first and second lead wires and engages with turns of the respective first and second spud coils (see figures 1 and 2).

In regard to claim 16, English ('476) teaches the filament comprises a wire; and the first and second spud coils are helical coils of the wire (see figures 1 and 2; column 2 lines 24-37).

In regard to claim 17, English ('476) teaches an incandescent portion of the filament (2); a first stretched-out portion of the filament between the first spud coil and the incandescent portion (3); and a second stretched-out portion of the filament between the second spud coil and the incandescent portion (3; see figure 1), wherein: the first and second stretched-out portions comprise substantially uncoiled wire (legs 3 are "substantially" uncoiled with respect to incandescent portion 2).

In regard to claim 18, English ('476) teaches the incandescent portion (2) comprises a helical coil (see figure 1) with a pitch approximately equal to the pitches of the first and second spud coils (note that the incandescent portion has two pitches, one of that is the same as the spud coils, since they are both made of the same helically coiled wire, and a second that is different that constitutes the doubly helically coiled wire that is the specific incandescent portion of the wire, see claim 19).

In regard to claim 19, English ('476) teaches the incandescent portion is coiled a second time to form a coiled coil (portion 2; see figure 1 and argument in regard to claim 18).

---

<sup>1</sup> Please see definition 3

<http://encarta.msn.com/encnet/features/dictionary/DictionaryResults.aspx?refid=1861712824> The spur is lead wire projecting out of pinch seal 5 (column 2 lines 24-27) at an angle of 180°.

Art Unit: 2879

In regard to claim 20, English ('476) teaches the first lead wire's inner cut end comprises a single spur near the end of the first lead wire's inner cut end (see figure 1 and argument for claim 15), and a longitudinally directed point at the end of the first lead wire's inner cut end (see figure 1); and the second lead wire's inner cut end comprises a single spur near the end of the second lead wire's inner cut end (see figure 1 and argument for claim 15), and a longitudinally directed point at the end of the second lead wire's inner cut end (see figure 1).

In regard to claim 21, English ('476) teaches the first lead wire is a first foliated lead comprising a sealing foil (6) bookend-ed by an inner lead (4) wire outwardly ending in the first lead wire's inner cut end, and an outer lead wire (7); and the second lead wire is a second foliated lead comprising a sealing foil bookend-ed by an inner lead wire outwardly ending in the second lead wire's inner cut end, and an outer lead wire (see figure 1).

In regard to claim 22, English ('476) teaches an outer cut end of the first lead wire (7) and an outer cut end of the second lead wire (see figure 1) wherein: each of the first lead wire's and second lead wire's outer cut ends has at least one spur near the end of the outer cut end (see footnote 1 and argument for claim 15).

In regard to claim 23, English ('476) teaches the first lead wire is a foliated lead comprising a sealing foil (6) bookend-ed by an inner lead wire outwardly ending in the first lead wire's inner cut end (4), and an outer lead wire outwardly ending in the first lead wire's outer cut end (7); and the second lead wire is a foliated lead comprising a sealing foil bookend-ed by an inner lead wire outwardly ending in the second lead wire's inner cut end, and an outer lead wire outwardly ending in the second lead wire's outer cut end (see figure 1).

*Conclusion*

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Otto et al (US 4754373), Sakai et al (US 6784605), and Frank et al (US 5923122) all have similar electrode structures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth A. Rielley whose telephone number is 571-272-2117. The examiner can normally be reached on Monday - Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Elizabeth Rielley

Examiner  
Art Unit 2879

*Mar 3/19/06*  
MARICELI SANTIAGO  
PRIMARY EXAMINER